

## **ABSTRACT OF THE INVENTION**

A method for manufacturing organic light-emitting diodes (OLEDs) is disclosed, by adding nitrogen (N<sub>2</sub>) into the material of a hole transport layer (HTL) and  
5 evaporating the nitrogen and the material of the hole transport layer while growing the hole transport layer, so as to dope nitrogen molecules into the hole transport layer. In the hole transport layer, the nitrogen molecules are impurities of higher energy level, and are used to catch holes while the holes transports and trap the holes in the hole transport layer, thereby obtaining an object of improving the luminance efficiency of  
10 the organic light-emitting diodes with lower cost.